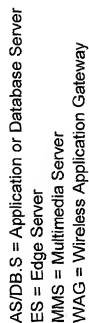
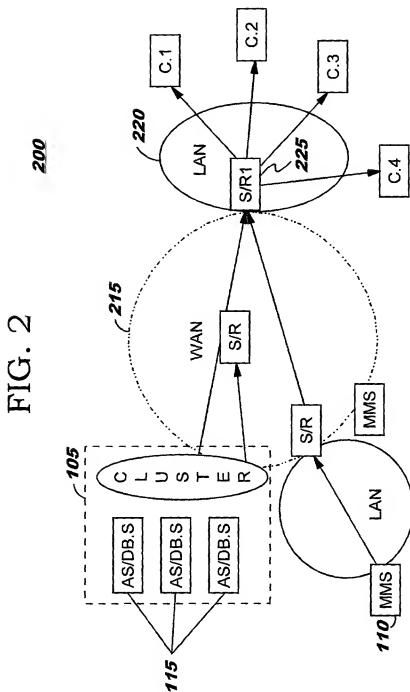


100





AS/DB.S = Application Server or Database Server  
 S/R = Switch/Router  
 MMS = Multimedia Server

FIG. 3A  
(Prior Art)

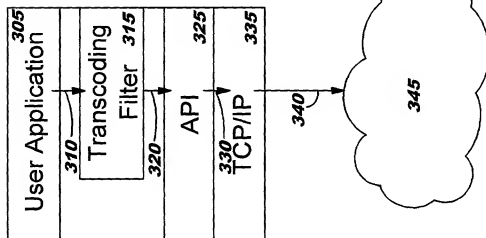


FIG. 3B

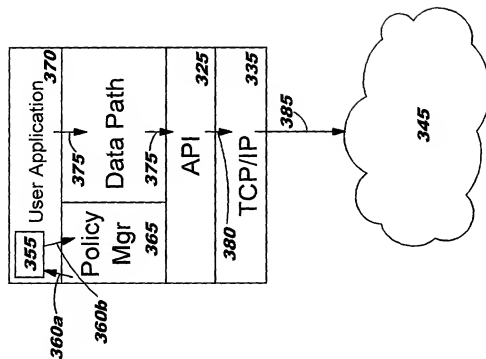


FIG. 4

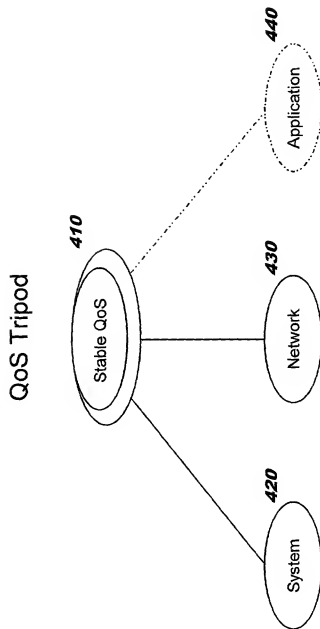


FIG. 5

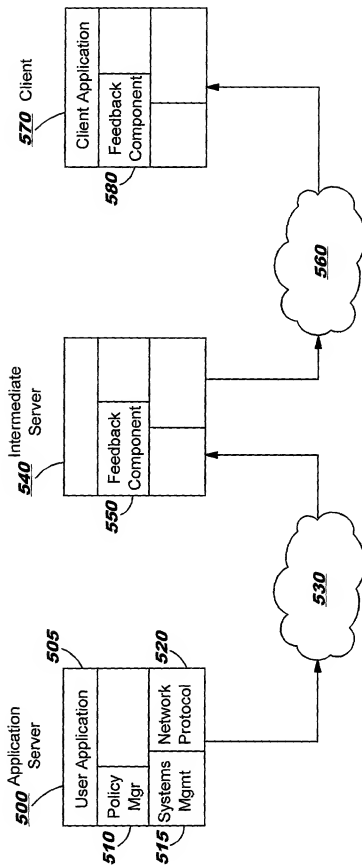
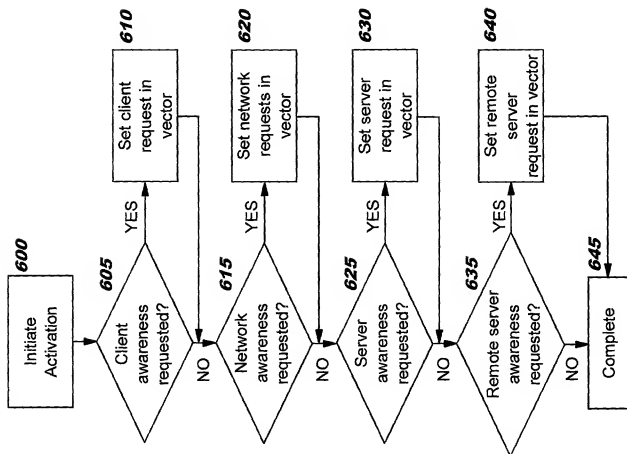


FIG. 6



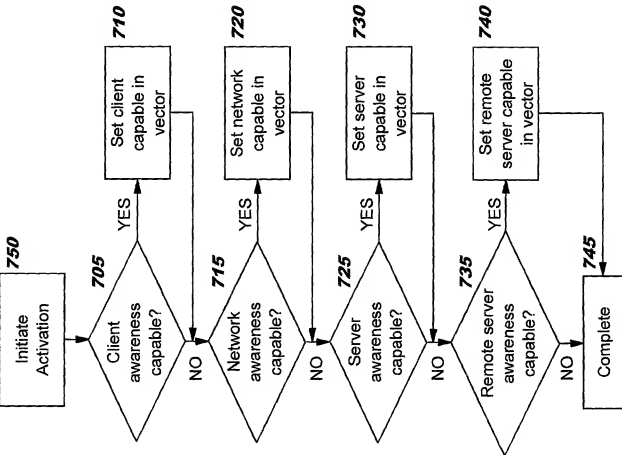


FIG. 8

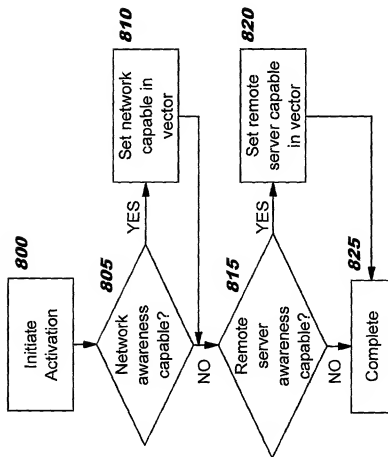




FIG. 9

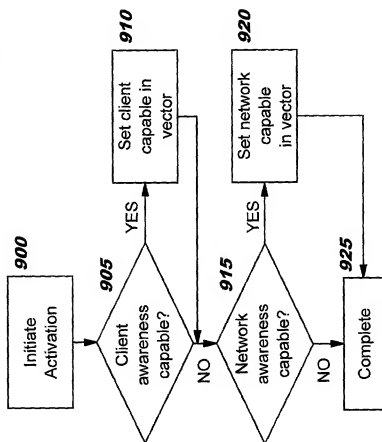


FIG. 10

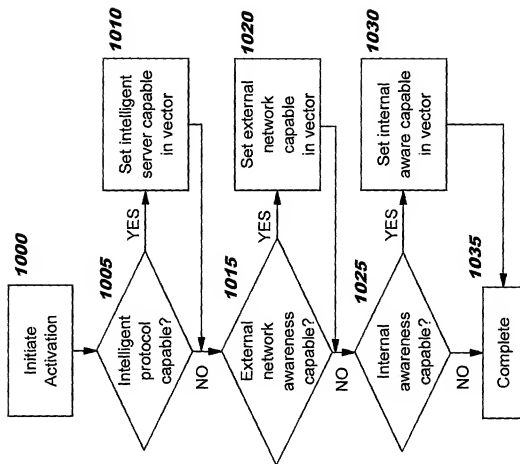


FIG. 11

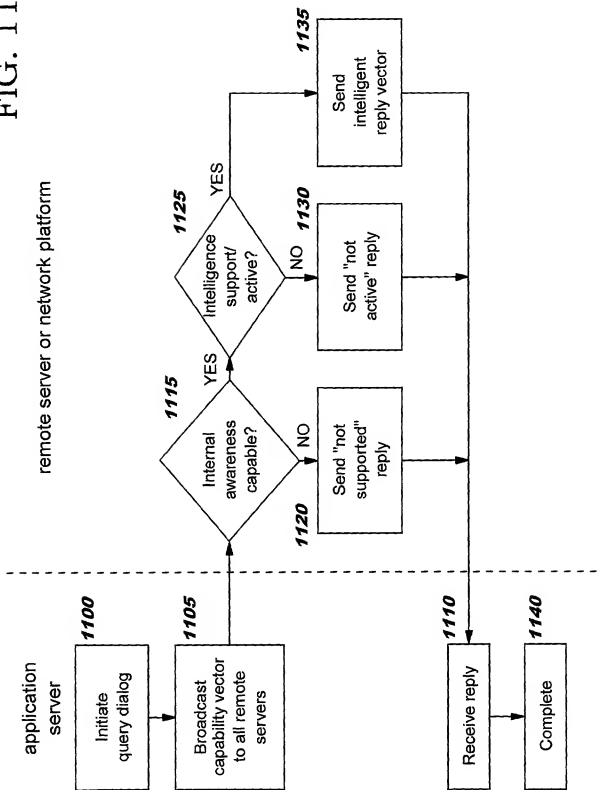


FIG. 12

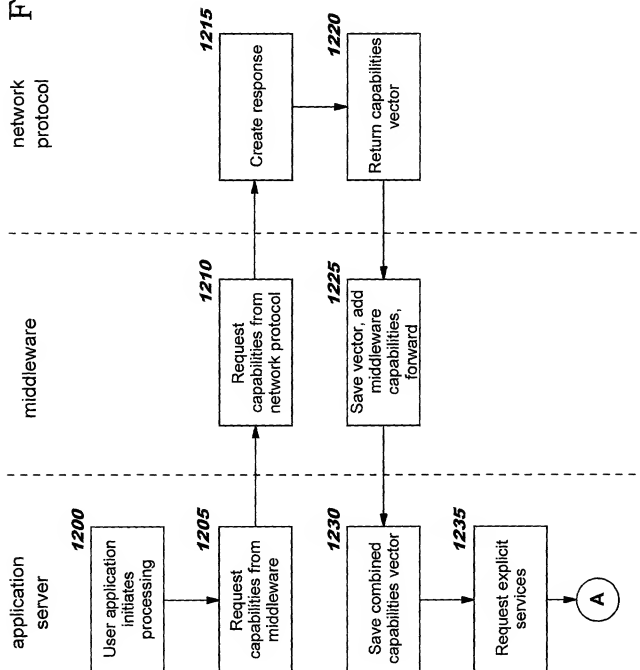
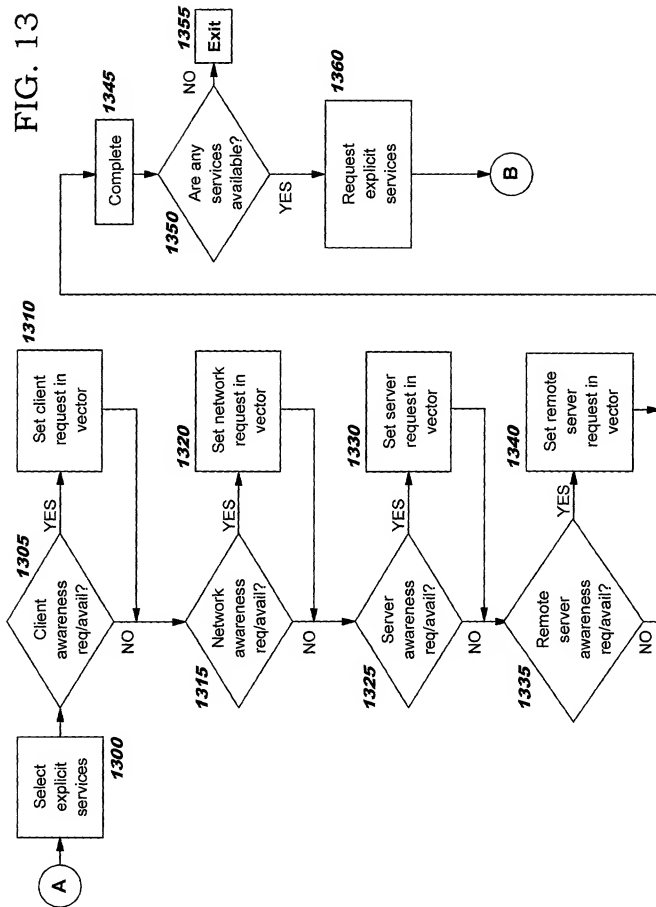


FIG. 13



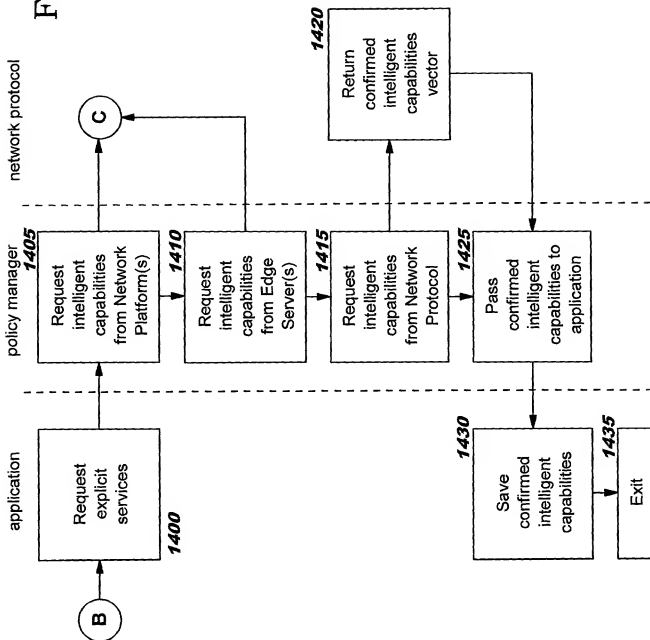
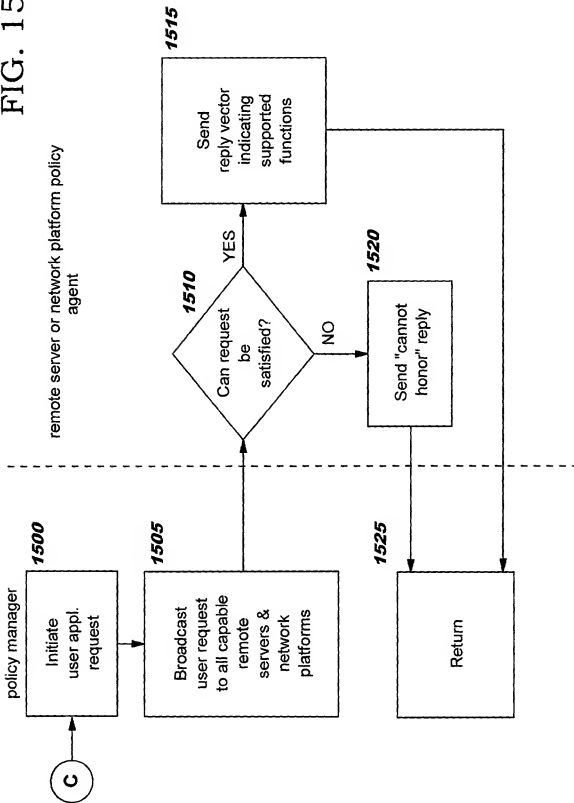


FIG. 15



**FIG. 16**

```
graph TD
    subgraph client
        1600[Initiate request] --> 1605{Client intelligence capable?}
        1610[Receive applet] --> 1615[Install applet]
    end

    subgraph application_server_network_protocol [application server network protocol]
        1620[Forward request]
        1625[Notify AS policy manager]
    end

    subgraph application_server_policy_manager [application server policy manager]
        1630[Pass connection request to user appl]
        1635[Pass notification to policy manager]
    end

    subgraph application_server_user_application [application server user application]
        1640[Log notification and pass to user appl]
        1645[Process connection request sync with policy mgr]
    end

    1605 -- NO --> 1610
    1605 -- YES --> 1620
    1615 --> 1620
    1620 --> 1630
    1625 --> 1635
    1630 --> 1640
    1635 --> 1645
    1640 --> 1645
```

The flowchart illustrates a process for handling a connection request and its associated policy management across four domains:

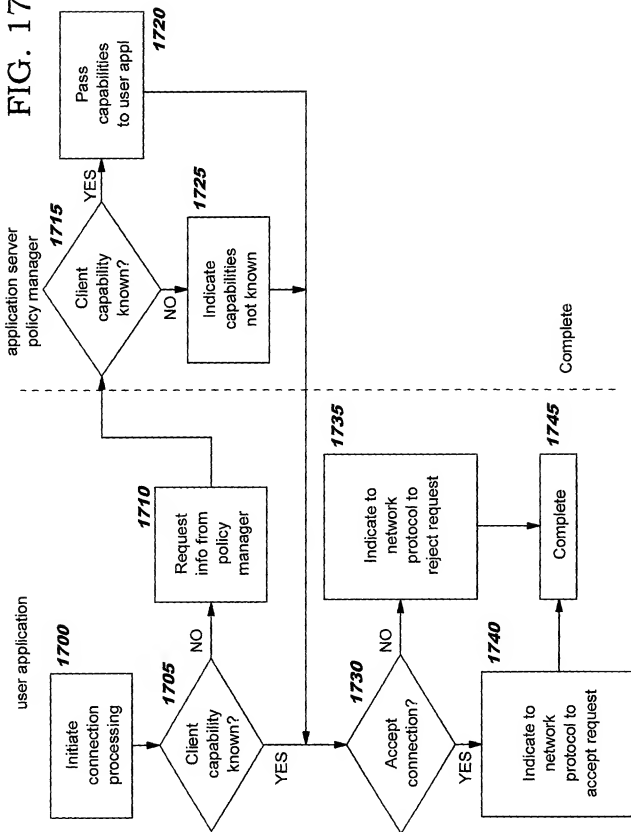
- client**:
  - 1600** Initiate request
  - 1605** Client intelligence capable? (Decision)
  - 1610** Receive applet
  - 1615** Install applet
- application server network protocol**:
  - 1620** Forward request
  - 1625** Notify AS policy manager
- application server policy manager**:
  - 1630** Pass connection request to user appl
  - 1635** Pass notification to policy manager
- application server user application**:
  - 1640** Log notification and pass to user appl
  - 1645** Process connection request sync with policy mgr

The flow is as follows:

- The client initiates a request (1600).
- A decision is made on whether the client has intelligence (1605).
- If NO, the client receives an applet (1610) and installs it (1615).
- If YES, the client forwards the request (1620).
- The request is forwarded to the application server network protocol (1620), which notifies the AS policy manager (1625).
- The AS policy manager passes the connection request to the user application (1630).
- The user application logs the notification and passes it to the policy manager (1640).
- The policy manager then processes the connection request, syncing with the policy manager (1645).



FIG. 17



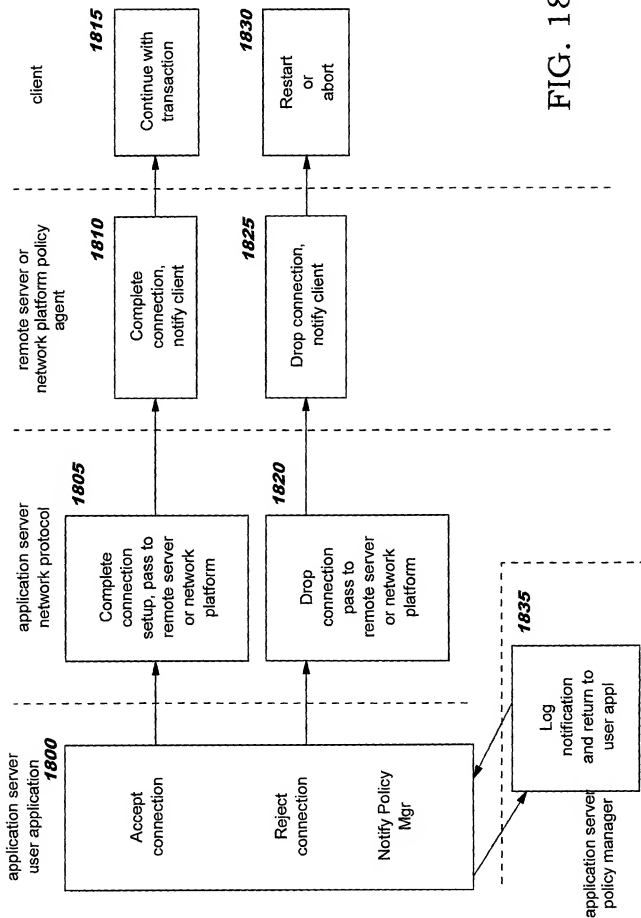


FIG. 18

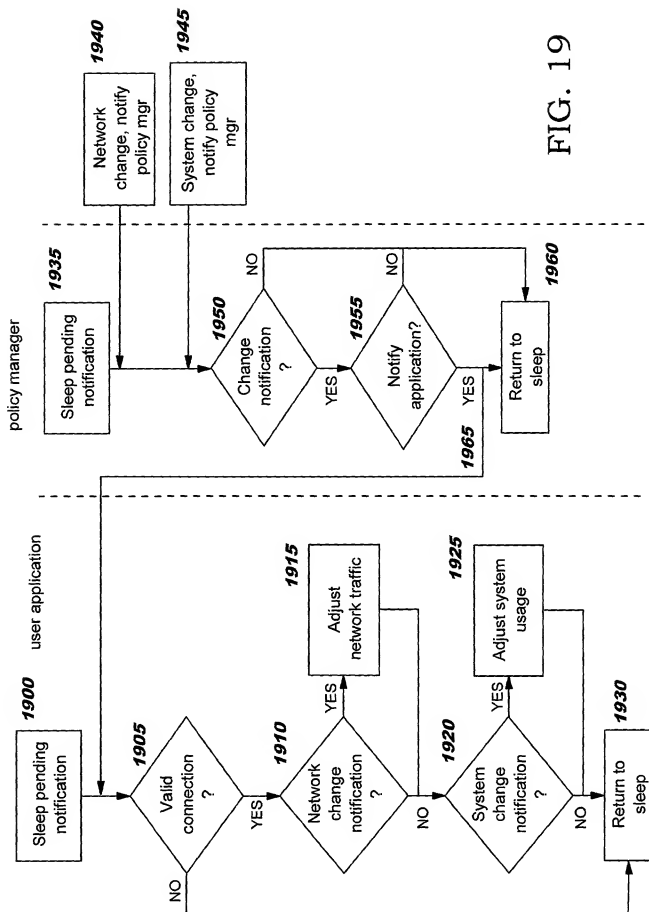


FIG. 19

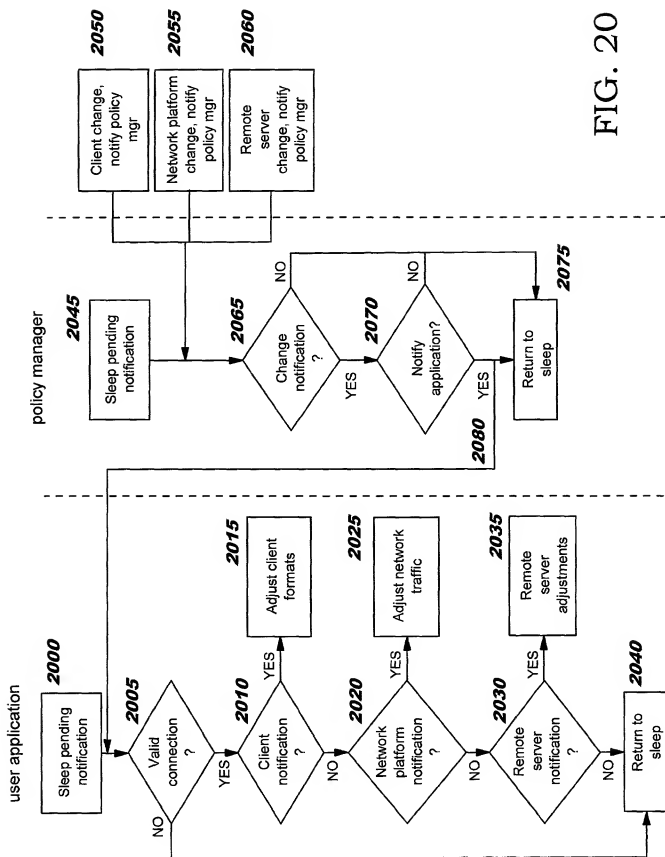


FIG. 20

FIG. 21

**2100**

	Functional Area	Field	Description
<b>2110</b>	<b>Client</b>		
	Field-1	Available	Indicates system support status, e.g. yes/no
	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options	Examples: levels of congestion, device class supported, QoS required, etc.
<b>2120</b>	<b>Network Platform</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion supported, type of network (LAN/WAN)
<b>2130</b>	<b>Remote Server</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, storage constraints, processor constraints
<b>2140</b>	<b>Network Protocol</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system constraints, buffer constraints, active connection limit
<b>2150</b>	<b>System</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system storage constraints, processing constraints

FIG. 22

**2200**

	Functional Area	Field	Description
<b>2210</b>	<b>System Identifier</b>		
<b>2211</b>	Field-1	System type	Network platform, remote server, etc.
<b>2212</b>	Field-2	Identifier type	Name, address, etc.
<b>2213</b>	Field-3	System identifier	Actual identifier
<b>2220</b>	<b>Client</b>		
	Field-1	Available	Indicates system support status, e.g. yes/no
	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options	Examples: levels of congestion, device class supported, QoS required, etc.
<b>2230</b>	<b>Network Platform</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-2	Options	Examples: levels of congestion supported, type of network (LAN/WAN)
<b>2240</b>	<b>Remote Server</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, storage constraints, processor constraints
<b>2250</b>	<b>Network Protocol</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system constraints, buffer constraints, active connection limit
<b>2260</b>	<b>System</b>		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system storage constraints, processing constraints

FIG. 23

2300

	Functional Area	Field	Description
<b>2310</b>	<b>System Identifier</b>		
	Field-1	System type	Network platform, application server, etc.
	Field-2	Identifier type	Name, address, etc.
	Field-3	System identifier	Actual system identifier
<b>2320</b>	<b>Application Identifier</b>		
	Field-1	Type	Type of identifier: name, address, etc.
	Field-2	Identifier	Actual identifier
<b>2330</b>	<b>Client</b>		
	Field-1	Return code	Success or failure
<b>2332</b>	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options/returns	Mask indicating options supported
<b>2340</b>	<b>Network Platform</b>		
<b>2341</b>	Field-1	Return code	Success or failure
<b>2342</b>	Field-2	Requested	Same as client
<b>2343</b>	Field-2	Options/returns	Mask indicating options supported
<b>2350</b>	<b>Remote Server</b>		
<b>2351</b>	Field-1	Return code	Success or failure
<b>2352</b>	Field-2	Requested	Same as client
<b>2353</b>	Field-3	Options/returns	Mask indicating options supported
<b>2360</b>	<b>Network Protocol</b>		
<b>2361</b>	Field-1	Return code	Success or failure
<b>2362</b>	Field-2	Requested	Same as client
<b>2363</b>	Field-3	Options/returns	Mask indicating options supported
<b>2370</b>	<b>System</b>		
	Field-1	Return code	Success or failure
<b>2372</b>	Field-2	Requested	Same as client
	Field-3	Options/returns	Mask indicating options supported

FIG. 24

2400		
Functional Area	Field	Description
2410	System Identifier	
	Field-1	System type
	Field-2	Identifier type
	Field-3	Identifier
2420	Application Identifier(s)	May be more than one
	Field-4	Type
	Field-5	Identifier
	Congestion	
2430	Field-6	Level
	Optional codes	
2440	Field-7	Number
	Field-8	Total length
	Field-9	First code
	Field-10	Length
	Field-11	Code

FIG. 24





FIG. 25